

IN THE SPECIFICATION

Please replace the paragraph beginning at page 2, line 5 with the following amended paragraph:

Fig. 4 is a ~~side sectional diagram~~ an enlarged partial view of the external head of Figs. 1A-1B.

Please replace the paragraph beginning at page 2, line 6 with the following amended paragraph:

Fig. 5 is a ~~side cross-sectional diagram~~ an enlarged partial view of the internal head of Figs. 1A-1B.

Please replace the paragraph beginning at page 2, line 7 with the following amended paragraph:

Figs. ~~6A-6B and 7A-7B~~ 6A, 6B, 7A, and 7B are somewhat schematic end views diagrams of a prior art rotary hair trimmer cutting a hair.

Please replace the paragraph beginning at page 2, line 9 with the following amended paragraph:

Fig. 8A is ~~side sectional view diagram~~ an enlarged partial view of an external cutting head of a general rotary trimmer[[],] showing the blade geometry thereof.

Please replace the paragraph beginning at page 2, line 11 with the following amended paragraph:

Fig. 8B is ~~side sectional view diagram~~ an enlarged partial view of a prior art rotary trimmer[[],] showing the external and internal cutting heads.

Please replace the paragraph beginning at page 2, line 16 with the following amended paragraph:

Fig. 10 is a ~~side sectional~~ somewhat schematic partial ~~view diagram~~ of a rotary hair trimmer of the prior art[[],] with a plurality of hairs positioned for cutting.

Please replace the paragraph beginning at page 2, line 18 with the following amended paragraph:

Fig. 11 is a ~~side sectional~~ somewhat schematic view ~~diagram~~ of a rotary hair trimmer constructed according to the present disclosure[[,]] with a plurality of hairs positioned for cutting.

Please replace the paragraph beginning at page 2, line 22 with the following amended paragraph:

Generally, the present invention provides a rotary cutting device—~~More and, more~~ particularly, a rotary cutting device ~~has~~ having relatively prime numbers of inner and outer cutting teeth.

Please replace the paragraph beginning at page 3, line 4 with the following amended paragraph:

Rotary trimmer 1 operates by relative rotation of external head 10 ~~against and~~ internal head 20. Cutting surfaces thereon pass one another, cutting interposed material in a scissoring action. The cutting surfaces now will be examined in more detail.

Please replace the paragraph beginning at page 3, line 7 with the following amended paragraph:

Turning to the cutting heads more specifically, Fig. 4 shows a ~~magnified is an~~ enlarged side view of external cutting head 10 of rotary trimmer 1. External head 10 is generally of a cylindrical structure having central bore 14 with inside diameter ID_{EXT}. External head 10 further includes a plurality n_{EXT} of external cutting teeth 16, circularly arrayed on one end of the cutting head. Cutting teeth 16 define openings 18, through which a material to be cut can be positioned.

Please replace the paragraph beginning at page 3, line 17 with the following amended paragraph:

Each external cutting teeth tooth 16 has a leading cutting edge 30, and can also have a trailing cutting edge 32 (Fig. 4). Disposing both cutting edges on a tooth permits bidirectional rotational use of the rotary cutting device.

Please replace the paragraph beginning at page 3, line 20 with the following amended paragraph:

InternalIn Fig. 5, internal cutting head 20, in this embodiment, likewise is a cylindrical structure having outside diameter OD_{INT} . Internal head 20 has a plurality n_{INT} of internal cutting teeth 26 circularly arrayed thereon. Teeth 26 also define openings 28, through which the material can be positioned for cutting.

Please replace the paragraph beginning at page 3, line 24 with the following amended paragraph:

Each internal cutting tooth 26 similarly possesses a leading cutting edge[[s]] 42, disposed to slide against leading cutting edge 30 of external cutting tooth 16. Material, interposed between leading cutting edge 42 and leading cutting edge 30, is cut when the heads are rotated in opposite directions.

Please replace the paragraph beginning at page 4, line 9 with the following amended paragraph:

In the specific application of A personal hair trimmer, such as that disclosed in U.S. Patent No. 5,655,301, generally has an external cutting head diameter limited by the functional need for the cutting assembly to fit within the user's nostril. Given this restriction on diameter, increasing n_{ext} will reduce the size of openings 18. It thus becomes less likely that a hair can be interposed within the opening, negatively affecting the efficiency of the trimmer. Increasing the number of external cutting teeth 16 also increases the potential for deformation of such teeth away from rotational axis R of the rotary cutting device 1 (Fig. 7A-7B). Alternatively, fewer external cutting teeth 16, while providing larger openings 18, also provide fewer external cutting edges 30,32.

Please replace the paragraph beginning at page 4, line 19 with the following amended paragraph:

Similarly, the number of internal cutting teeth 26 must be considered. A high number of internal teeth 26 results in partial occlusion of the external openings 2818, reducing the pickup of material to be cut. A greater number of internal cutting teeth 26 also reduces internal cutting tooth 26 cross-section and therefore rigidity, increasing the risk of inward deformation (Fig. 6A-6B).

Please replace the paragraph beginning at page 4, line 29 with the following amended paragraph:

Each alignment instance produces a slight frictional resistance, or “catching” of the heads, during rotation. This resistance must be overcome by the rotational force provider, (e.g. motor, manual). Minimization of such instances of alignment instances results in lower overall frictional resistance of the cutting heads.